

PD-Core®

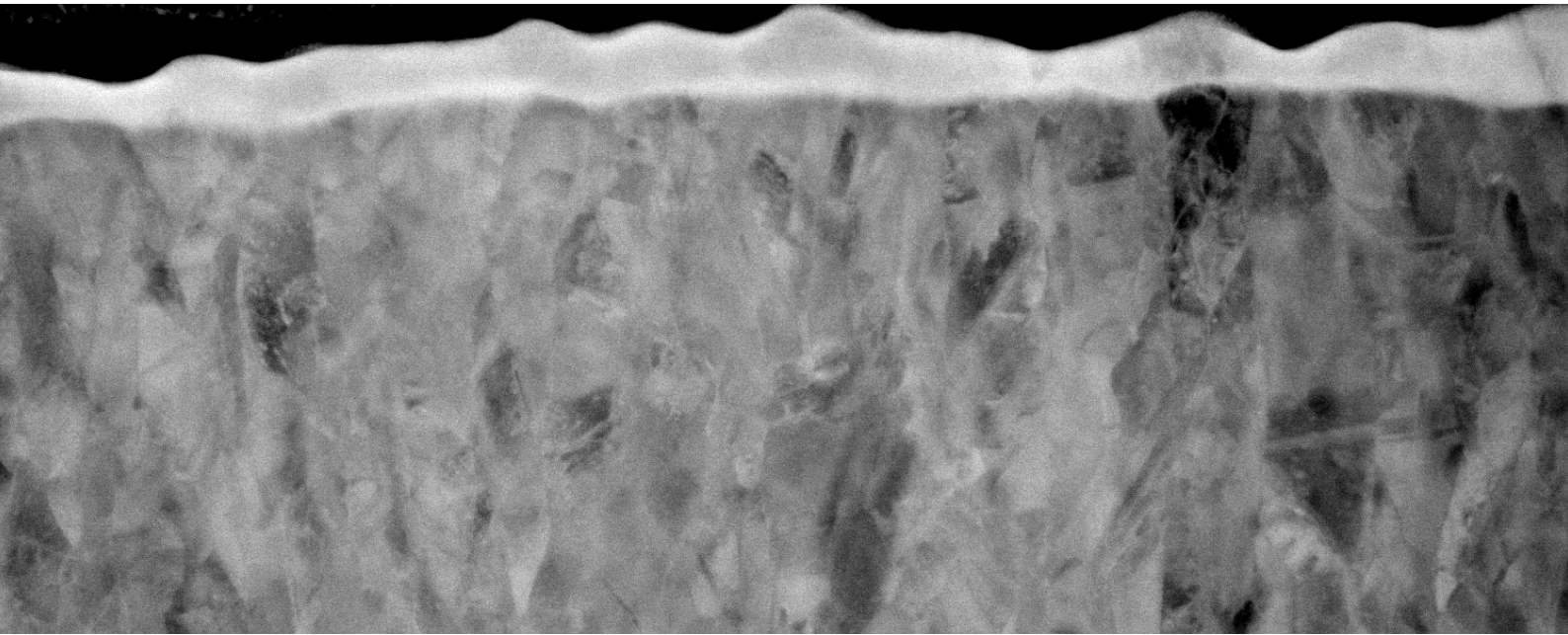
The next generation Pd-electrolyte



General metal finishing

Final finishing technology

atotech.com



The Pd-electrolyte with low Pd-content and highest stability

0.5

g/l Pd content in the electrolyte leads to lower drag out losses

Best performance for lower cost

The PD-Core® palladium bath deposits pure palladium layers for the highest quality ENEPIG finishes. With the low Pd-content of 0.5 g/l palladium the process is highly cost-efficient as it significantly reduces the precious metal loss due to drag out. The bath offers excellent stability and provides the best performance for more than 10 MTO. Pd layers of up to 400 nm and more are possible if a high Pd-thickness is required.

The Pd-process can be combined with the existing MKS' Atotech mid-P Nickel electrolytes Aurotech® NIC, Aurotech® SIT Plus and Aurotech® CNN as well as the latest gold electrolytes such as Aurotech® DC CH, Aurotech® AU Plus CH, Aurotech® G-Bond and Aurotech® G-Bond 2. Eventhough it was initially developed for plating on nickel, PD-Core® can also be plated on copper directly.

Highest robustness and stability with low Pd-content

Low Pd-content

- Pd-content in the bath of 0.5 g/l
- Reduced drag out losses
- Excellent thickness distribution
- Reduced precious metal consumption
- Cost savings due to reduced precious metal loss

High process robustness

- High process robustness
- Low sensitivity to contamination
- High tolerance to Ni and Cu ions in the solution
- Reduced maintenance due to high bath stability

Stable performance

- Stable bath life up to 10 MTO and more
- Constant performance in solder joint reliability and wire bonding over full bath life
- No plate out or precipitation
- High thickness of 400 nm and more is possible

Process compatibility

- Can be combined with MKS' Atotech's mid-P Nickel bathes Aurotech[®] NIC, Aurotech[®] SIT Plus and Aurotech[®] CNN
- Compatible with all actual MKS' Atotech's mixed reaction gold bathes such as Aurotech[®] DC (CH), Aurotech[®] AU Plus (CH), Aurotech[®] G-Bond and Aurotech[®] G-Bond 2

